

**Amendments to the Claims:**

The following listing of claims replaces all prior versions and listing of claims in the application:

**Listing of Claims:**

- 1 1. (Canceled)
- 1 2. (Currently amended) A high fluid loss spotting pill comprising:
  - 2 a carrier fluid;
  - 3 a first quantity of weighting agent; and
  - 4 a second quantity of suspending agent effective to suspend said weighting
  - 5 agent;
  - 6 an LCM consisting essentially of:
    - 7 a third quantity of acid soluble mineral fiber; and,
    - 8 an amount of acid soluble mineral particulate comprising a
    - 9 combination of granular form and flake form;
    - 10 said third quantity, said amount and said form being adapted to form a
    - 11 substantially impermeable, acid soluble filtercake upon injection of
    - 12 said composition with said carrier fluid into said wellbore and
    - 13 defluidization.
- 1 3. (Original) The high fluid loss spotting pill of claim 2 wherein said
- 2 first quantity of weighting agent is adapted to produce a density substantially the
- 3 same as the density of a drilling fluid used to drill a formation being treated.

1           4.     (Original) The high fluid loss spotting pill of claim 2 wherein said  
2     first quantity of weighting agent produces a spotting pill having a density of at  
3     least about 9 ppg.

1           Claims 5-6.   (Canceled).

1           7.     (Original) The high fluid loss spotting pill of claim 2 wherein 85  
2     wt.% or more of said LCM is acid soluble.

1           8.     (Original) The high fluid loss spotting pill of claim 2 wherein 90  
2     wt.% or more of said LCM is acid soluble.

1           9.     (Original) The high fluid loss spotting pill of claim 3 wherein 85  
2     wt.% or more of said LCM is acid soluble.

1           10.    (Original) The high fluid loss spotting pill of claim 3 wherein 90  
2     wt.% or more of said LCM is acid soluble.

1           11.    (Original) The high fluid loss spotting pill of claim 4 wherein 85  
2     wt.% or more of said LCM is acid soluble.

1           12.    (Original) The high fluid loss spotting pill of claim 4 wherein 90  
2     wt.% or more of said LCM is acid soluble.

1           Claims 13-17. (Canceled).

1           18.    (Original) The high fluid loss spotting pill of claim 2 wherein said  
2     acid soluble mineral particulate is selected from the group consisting of salts of  
3     alkaline earth metals, silicates, hematites, and acid soluble mineral oxides.

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1 19. (Previously presented) The high fluid loss spotting pill of claim 2  
2 wherein said acid soluble mineral particulate is selected from the group consisting  
3 of carbonates of alkaline earth metals and silicates of alkaline earth minerals.

1 20. (Original) The high fluid loss spotting pill of claim 2 wherein said  
2 acid soluble mineral particulate is a carbonate of an alkaline earth metal.

1 21. (Canceled).

1 22. (Original) The high fluid loss spotting pill of claim 20 wherein  
2 said granular form is coarse grain and said flake form is fine grain.

1 23. (Previously presented) The high fluid loss spotting pill of claim 2  
2 wherein said granular form is coarse grain and said flake form is fine grain.

1 24. (Original) The high fluid loss spotting pill of claim 3 wherein said  
2 acid soluble mineral particulate is selected from the group consisting of salts of  
3 alkaline earth metals, silicates, hematites, and acid soluble mineral oxides.

1 25. (Currently amended) The high fluid loss spotting pill of claim 3  
2 wherein said acid soluble mineral particulate is selected from the group consisting  
3 of preferably carbonates of alkaline earth metals and silicates of alkaline earth  
4 minerals.

1 26. (Original) The high fluid loss spotting pill of claim 3 wherein said  
2 acid soluble mineral particulate is a carbonate of an alkaline earth metal.

1 27. (Canceled)

1 28. (Previously presented) The high fluid loss spotting pill of claim 3  
2 wherein said granular form is coarse grain and said flake form is fine grain.

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1           29. (Original) The high fluid loss spotting pill of claim 4 wherein said  
2 acid soluble mineral particulate is selected from the group consisting of salts of  
3 alkaline earth metals, silicates, hematites, and acid soluble mineral oxides.

1           30. (Currently amended) The high fluid loss spotting pill of claim 4  
2 wherein said acid soluble mineral particulate is selected from the group consisting  
3 of preferably carbonates of alkaline earth metals and silicates of alkaline earth  
4 minerals.

1           31. (Previously presented) The high fluid loss spotting pill of claim 4  
2 wherein said acid soluble mineral particulate is a carbonate of an alkaline earth  
3 metal.

1           32. (Canceled)

1           33. (Previously presented) The high fluid loss spotting pill of claim 4  
2 wherein said granular form is coarse grain and said flake form is fine grain.

1           34. (Original) The high fluid loss spotting pill of claim 2 having a  
2 yield point of about 5 or more.

1           35. (Original) The high fluid loss spotting pill of claim 3 having a  
2 yield point of about 5 or more.

1           36. (Original) The high fluid loss spotting pill of claim 4 having a  
2 yield point of about 5 or more.

1           37. (Canceled).

1           38. (Canceled).

1 39. (Previously presented) The high fluid loss spotting pill of claim  
2 114 wherein said first quantity of weighting agent produces a spotting pill having  
3 a density of at least about 9 ppg.

1 40. (Previously presented) The high fluid loss spotting pill of claim  
2 114 wherein 85 wt.% or more of said LCM is acid soluble.

1 41. (Previously presented) The high fluid loss spotting pill of claim  
2 114 wherein 90 wt.% or more of said LCM is acid soluble.

1 42. (Original) The high fluid loss spotting pill of claim 39 wherein 85  
2 wt.% or more of said LCM is acid soluble.

1 43. (Original) The high fluid loss spotting pill of claim 39 wherein 90  
2 wt.% or more of said LCM is acid soluble.

1 44. (Previously presented) The high fluid loss spotting pill of claim  
2 114 wherein said acid soluble mineral particulate is selected from the group  
3 consisting of salts of alkaline earth metals, silicates, hematites, and acid soluble  
4 mineral oxides.

1 45. (Currently amended) The high fluid loss spotting pill of claim 114  
2 wherein said acid soluble mineral particulate is selected from the group consisting  
3 of preferably carbonates of alkaline earth metals and silicates of alkaline earth  
4 minerals.

1 46. (Previously presented) The high fluid loss spotting pill of claim  
2 114 wherein said acid soluble mineral particulate is a carbonate of an alkaline  
3 earth metal.

1           47.   (Currently amended) A high fluid loss spotting pill comprising:  
2           a carrier fluid;  
3           a first quantity of weighting agent adapted to produce a density  
4                 substantially the same as the density of a drilling fluid used to drill  
5                 a formation being treated;  
6           a second quantity of suspending agent effective to suspend said weighting  
7                 agent in said carrier fluid;  
8           an LCM consisting essentially of:  
9                 a third quantity of acid soluble mineral fiber; and,  
10           an amount of acid soluble mineral particulate comprising a combination  
11                 comprising granular form and flake form;  
12           wherein said acid soluble mineral particulate is selected from the group  
13                 consisting of ~~preferably~~ carbonates of alkaline earth metals and  
14                 silicates of alkaline earth minerals;  
15           said third quantity, said amount, and said form being adapted to form a  
16                 substantially impermeable, acid soluble filtercake upon injection of  
17                 said composition with an effective carrier fluid into said wellbore  
18                 and defluidization.

1           48.   (Previously presented) A high fluid loss spotting pill comprising:  
2           a carrier fluid;

3 a first quantity of weighting agent adapted to produce a density  
4 substantially the same as the density of a drilling fluid used to drill  
5 a formation being treated;  
6 a second quantity of suspending agent effective to suspend said weighting  
7 agent in said carrier fluid;  
8 an LCM consisting essentially of:  
9 a third quantity of acid soluble mineral fiber; and;  
10 an amount of acid soluble mineral particulate comprising a  
11 carbonate of an alkaline earth metal, wherein said acid soluble  
12 mineral particulate is a combination of granular form and flake  
13 form;  
14 said third quantity, said amount, and said form being adapted to form a  
15 substantially impermeable, acid soluble filtercake upon injection of  
16 said composition with an effective carrier fluid into said wellbore  
17 and defluidization.

1 49. (Original) The high fluid loss spotting pill of claim 47 wherein  
2 said granular form is fine grain and said flake form is fine grain.

1 50. (Original) The high fluid loss spotting pill of claim 39 wherein  
2 said acid soluble mineral particulate is selected from the group consisting of salts  
3 of alkaline earth metals, silicates, hematites, and acid soluble mineral oxides.

1 51. (Currently amended) The high fluid loss spotting pill of claim 39  
2 wherein said acid soluble mineral particulate is selected from the group consisting

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3 of preferably carbonates of alkaline earth metals and silicates of alkaline earth  
4 minerals.

1 52. (Original) The high fluid loss spotting pill of claim 39 wherein  
2 said acid soluble mineral particulate is calcium carbonate.

1 53. (Currently amended) A high fluid loss spotting pill comprising:

2 a carrier fluid;

3 a first quantity of weighting agent adapted to produce said spotting pill

4 having a density of about 9 ppg;

5 a second quantity of suspending agent effective to suspend said weighting

6 agent in said carrier fluid;

7 an LCM consisting essentially of:

8 a third quantity of acid soluble mineral fiber; and;

9 an amount of acid soluble mineral particulate comprising calcium

10 carbonate comprising a combination of granular form and

11 flake form;

12 said third quantity, said amount, and said form being adapted to form a

13 substantially impermeable, acid soluble filtercake upon injection of

14 said composition with an effective carrier fluid into said wellbore

15 and defluidization.

1 54. (Original) The high fluid loss spotting pill of claim 53 wherein  
2 said granular form is fine grain and said flake form is fine grain.



1 55. (Previously presented) The high fluid loss spotting pill of claim  
2 114 having a yield point of about 5 or more.

1 56. (Original) The high fluid loss spotting pill of claim 39 having a  
2 yield point of about 5 or more.

1 57. (Canceled).

1 58. (Previously presented) A high fluid loss spotting pill comprising:  
2 a carrier fluid;  
3 a first quantity of weighting agent adapted to produce a density  
4 substantially the same as the density of a drilling fluid used to drill  
5 a formation being treated;  
6 a second quantity of suspending agent effective to suspend said weighting  
7 agent in said carrier fluid;  
8 an amount of LCM consisting essentially of calcium carbonate particulate  
9 comprising granular form and flake form;  
10 said quantity, said amount, and said form being adapted to form a  
11 substantially impermeable, acid soluble filtercake upon injection of  
12 said composition with an effective carrier fluid into said wellbore  
13 and defluidization.

1 59. (Original) The high fluid loss spotting pill of claim 58 wherein  
2 said granular form is coarse grain and said flake form is fine grain.

1 60. (Canceled)

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1           61.    (Original) The high fluid loss spotting pill of claim 58 wherein  
2           said first quantity of said weighting agent produces a spotting pill having a  
3           density of at least about 9 ppg.

1           62.    (Original) The high fluid loss spotting pill of claim 59 wherein  
2           said first quantity of said weighting agent produces a spotting pill having a  
3           density of at least about 9 ppg.

1           63.    (Canceled).

1           64.    (Previously presented) A high fluid loss spotting pill comprising:  
2           a carrier fluid;  
3           a first quantity of weighting agent adapted to produce a density  
4                    substantially the same as the density of a drilling fluid used to drill  
5                    a formation being treated;  
6           a second quantity of suspending agent effective to suspend said weighting  
7                    agent in said carrier fluid;  
8           an LCM consisting essentially of:  
9                    a third quantity of acid soluble mineral fiber; and,  
10                   an amount of calcium carbonate particulate comprising granular  
11                   form and flake form;  
12           said quantity, said amount, and said form being adapted to form a  
13                   substantially impermeable, acid soluble filtercake upon injection of  
14                   said composition with an effective carrier fluid into said wellbore  
15                   and defluidization.

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1           65. (Previously presented) The high fluid loss spotting pill of claim 64  
2 wherein said granular form is fine grain and said flake form is fine grain.

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1           66. (Canceled)  
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1           67. (Original) The high fluid loss spotting pill of claim 64 wherein  
2 said first quantity of said weighting agent produces a spotting pill having a  
3 density of at least about 9 ppg.

1           68. (Original) The high fluid loss spotting pill of claim 65 wherein  
2 said first quantity of said weighting agent produces a spotting pill having a  
3 density of at least about 9 ppg.

1           69. (Previously presented) The high fluid loss spotting pill of claim 64  
2 wherein said carrier fluid is water based.

1           70. (Previously presented) The high fluid loss spotting pill of claim 64  
2 wherein said carrier fluid is oil based.

1           71. (Previously presented) A high fluid loss spotting pill comprising:  
2 a carrier fluid;  
3 a first quantity of weighting agent adapted to produce a density  
4 substantially the same as the density of a drilling fluid used to drill  
5 a formation being treated;  
6 a second quantity of suspending agent effective to suspend said weighting  
7 agent in said carrier fluid;  
8 an amount of LCM consisting essentially of calcium carbonate particulate;

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9                   said quantity, said amount, and said form being adapted to form a  
 10                   substantially impermeable, acid soluble filtercake upon injection of  
 11                   said composition with an effective carrier fluid into said wellbore  
 12                   and defluidization;  
 13                   wherein the following weight percent of the composition passes through  
 14                   screens having the following mesh sizes:

15           10	5	% to	10	%
16           14	5	% to	10	%
17           18	1	% to	5	%
18           20	1	% to	5	%
19           25	1	% to	5	%
20           >25	87	% to	65	%.

1                   72.   (Previously presented) The high fluid loss spotting pill of claim 64  
 2                   wherein the following weight percent of the composition passes through screens  
 3                   having the following mesh sizes:

4           10	8	%
5           14	7	%
6           18	3	%
7           20	1	%
8           25	1	%.

1                   73.   (Previously presented) The high fluid loss spotting pill of claim 58  
 2                   wherein said third quantity is 10 wt.% or more of said composition.

1                   74.   (Previously presented) The high fluid loss spotting pill of claim 58  
 2                   wherein said third quantity is about 25 wt.% of said composition.

1                   75.   (Original) The high fluid loss spotting pill of claim 73 wherein  
 2                   said amount is about 50 wt.% of said composition.

1           76.   (Original) The high fluid loss spotting pill of claim 74 wherein  
2           said amount is about 50 wt.% of said composition.

1           77.   (Original) The high fluid loss spotting pill of claim 59 wherein  
2           said third quantity is 10 wt.% or more of said composition.

1           78.   (Original) The high fluid loss spotting pill of claim 59 wherein  
2           said third quantity is about 25 wt.% of said composition.

1           79.   (Original) The high fluid loss spotting pill of claim 77 wherein  
2           said amount is about 50 wt.% of said composition.

1           80.   (Original) The high fluid loss spotting pill of claim 78 wherein  
2           said amount is about 50 wt.% of said composition.

1           81.   (Previously presented) The high fluid loss spotting pill of claim 64  
2           wherein said third quantity is 10 wt.% or more of said composition.

1           82.   (Previously presented) The high fluid loss spotting pill of claim 64  
2           wherein said third quantity is about 25 wt.% of said composition.

1           83.   (Previously presented) A high fluid loss spotting pill comprising:  
2           a carrier fluid;  
3           a first quantity of weighting agent adapted to produce a density  
4           substantially the same as the density of a drilling fluid used to drill  
5           a formation being treated;  
6           a second quantity of suspending agent effective to suspend said weighting  
7           agent in said carrier fluid;  
8           an LCM consisting essentially of:

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9 a third quantity of acid soluble mineral fiber, said third quantity  
10 comprising 10% or more of said composition; and;  
11 an amount of calcium carbonate particulate, said amount comprising about  
12 50 wt.% of said composition;  
13 said quantity, said amount, and said form being adapted to form a  
14 substantially impermeable, acid soluble filtercake upon injection of  
15 said composition with an effective carrier fluid into said wellbore  
16 and defluidization.

1 84. (Previously presented) A high fluid loss spotting pill comprising:  
2 a carrier fluid;  
3 a first quantity of weighting agent adapted to produce a density  
4 substantially the same as the density of a drilling fluid used to drill  
5 a formation being treated;  
6 a second quantity of suspending agent effective to suspend said weighting  
7 agent in said carrier fluid;  
8 an LCM consisting essentially of:  
9 a third quantity of acid soluble mineral fiber, said third quantity  
10 comprising 25% or more of said composition; and;  
11 an amount of calcium carbonate particulate, said amount  
12 comprising about 50 wt.% of said composition;  
13 said quantity, said amount, and said form being adapted to form a  
14 substantially impermeable, acid soluble filtercake upon injection of

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15 said composition with an effective carrier fluid into said wellbore  
16 and defluidization.

1 85. (Original) The high fluid loss spotting pill of claim 65 wherein  
2 said third quantity is 10 wt.% or more of said composition.

1 86. (Original) The high fluid loss spotting pill of claim 65 wherein  
2 said third quantity is about 25 wt.% of said composition.

1 87. (Original) The high fluid loss spotting pill of claim 85 wherein  
2 said amount is about 50 wt.% of said composition.

1 88. (Original) The high fluid loss spotting pill of claim 86 wherein  
2 said amount is about 50 wt.% of said composition.

1 89. (Currently amended) A high fluid loss spotting pill comprising:  
2 a carrier fluid;  
3 an LCM consisting essentially of an amount and form of acid soluble  
4 mineral particulate comprising granular form and flake form;  
5 said amount and said form being adapted to form a substantially  
6 impermeable, acid soluble filtercake upon injection of said  
7 composition with said carrier fluid into said wellbore and  
8 defluidization;  
9 a first quantity of weighting agent; and  
10 a second quantity of suspending agent effective to suspend said weighting  
11 agent, said suspending agent being selected from the group

12 consisting of attapulgite, quaternized attapulgite, and a  
13 combination thereof.

1 90. (Original) The high fluid loss spotting pill of claim 3 wherein said  
2 suspending agent is selected from the group consisting of attapulgite and  
3 quaternized attapulgite.

1 91. (Original) The high fluid loss spotting pill of claim 4 wherein said  
2 suspending agent is selected from the group consisting of attapulgite and  
3 quaternized attapulgite.

1 92. (Original) The high fluid loss spotting pill of claim 7 wherein said  
2 suspending agent is selected from the group consisting of attapulgite and  
3 quaternized attapulgite.

1 93. (Original) The high fluid loss spotting pill of claim 20 wherein  
2 said suspending agent is selected from the group consisting of attapulgite and  
3 quaternized attapulgite.

1 94. (Currently amended) A high fluid loss spotting pill comprising:  
2 a carrier fluid;  
3 a first quantity of weighting agent;  
4 a second quantity of suspending agent effective to suspend said weighting  
5 agent, wherein said suspending agent is selected from the group  
6 consisting of attapulgite and quaternized attapulgite;  
7 an LCM consisting essentially of:  
8 a third quantity of acid soluble mineral fiber; and;

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9 an amount of acid soluble mineral particulate comprising a  
10 carbonate of an alkaline earth metal, wherein said particulate is a  
11 combination of granular form and flake form;  
12 said third quantity, said amount and said form being adapted to form a  
13 substantially impermeable, acid soluble filtercake upon injection of  
14 said composition with said carrier fluid into said wellbore and  
15 defluidization.

1 95. (Original) The high fluid loss spotting pill of claim 23 wherein  
2 said suspending agent is selected from the group consisting of attapulgite and  
3 quaternized attapulgite.

1 96. (Previously presented) A high fluid loss spotting pill comprising:  
2 a carrier fluid;  
3 a first quantity of weighting agent adapted to produce a density  
4 substantially the same as the density of a drilling fluid used to drill  
5 a formation being treated;  
6 a second quantity of suspending agent effective to suspend said weighting  
7 agent in said carrier fluid wherein said suspending agent is selected  
8 from the group consisting of attapulgite and quaternized  
9 attapulgite;  
10 an LCM consisting essentially of:  
11 a third quantity of acid soluble mineral fiber; and;  
12 an amount of acid soluble mineral particulate;

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13 said third quantity, said amount, and said form being adapted to form a  
14 substantially impermeable, acid soluble filtercake upon injection of  
15 said composition with an effective carrier fluid into said wellbore  
16 and defluidization.

1 97. (Original) The high fluid loss spotting pill of claim 40 wherein  
2 said suspending agent is selected from the group consisting of attapulgite and  
3 quaternized attapulgite.

1 98. (Original) The high fluid loss spotting pill of claim 45 wherein  
2 said suspending agent is selected from the group consisting of attapulgite and  
3 quaternized attapulgite.

1 99. (Original) The high fluid loss spotting pill of claim 49 wherein  
2 said suspending agent is selected from the group consisting of attapulgite and  
3 quaternized attapulgite.

1 100. (Original) The high fluid loss spotting pill of claim 54 wherein  
2 said suspending agent is selected from the group consisting of attapulgite and  
3 quaternized attapulgite.

1 101. (Canceled)

1 102. (Original) The high fluid loss spotting pill of claim 58 wherein  
2 said suspending agent is selected from the group consisting of attapulgite and  
3 quaternized attapulgite.

1 103. (Original) The high fluid loss spotting pill of claim 59 wherein  
2 said suspending agent is selected from the group consisting of attapulgite and  
3 quaternized attapulgite.

1 104. (Canceled).

1 105. (Original) The high fluid loss spotting pill of claim 64 wherein  
2 said suspending agent is selected from the group consisting of attapulgite and  
3 quaternized attapulgite.

1 106. (Original) The high fluid loss spotting pill of claim 65 wherein  
2 said suspending agent is selected from the group consisting of attapulgite and  
3 quaternized attapulgite.

1 107. (Original) The high fluid loss spotting pill of claim 68 wherein  
2 said suspending agent is selected from the group consisting of attapulgite and  
3 quaternized attapulgite.

1 108. (Currently amended) A high fluid loss spotting pill comprising:  
2 a carrier fluid;  
3 an LCM consisting essentially of an amount and form of acid soluble  
4 mineral particulate;  
5 said amount and said form being adapted to form a substantially  
6 impermeable, acid soluble filtercake upon injection of said  
7 composition with said carrier fluid into said wellbore and  
8 defluidization;  
9 a first quantity of weighting agent; and

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10 a second quantity of suspending agent effective to suspend said weighting  
11 agent, wherein said suspending agent comprises a ratio of  
12 attapulgate to quaternized attapulgate.

1 109. (currently amended) A high fluid loss spotting pill comprising:  
2 a carrier fluid;  
3 an LCM consisting essentially of an amount and form of acid soluble  
4 mineral particulate;  
5 said amount and said form being adapted to form a substantially  
6 impermeable, acid soluble filtercake upon injection of said  
7 composition with said carrier fluid into said wellbore and  
8 defluidization;

9 a first quantity of weighting agent; and  
10 a second quantity of suspending agent effective to suspend said weighting  
11 agent, said suspending agent comprising a ratio of attapulgate to  
12 quaternized attapulgate;  
13 wherein said first quantity of weighting agent is adapted to produce a  
14 density substantially the same as the density of a drilling fluid used  
15 to drill a formation being treated.

1 110. (Previously presented) A high fluid loss spotting pill comprising:  
2 a carrier fluid;

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3 a first quantity of weighting agent adapted to produce a density  
4 substantially the same as the density of a drilling fluid used to drill  
5 a formation being treated;  
6 a second quantity of suspending agent effective to suspend said weighting  
7 agent in said carrier fluid, said suspending agent comprising a ratio  
8 of attapulgate to quaternized attapulgate;  
9 an amount of LCM consisting essentially of calcium carbonate particulate;  
10 said quantity, said amount, and said form being adapted to form a  
11 substantially impermeable, acid soluble filtercake upon injection of  
12 said composition with an effective carrier fluid into said wellbore  
13 and defluidization.

1 111. (Previously presented) The high fluid loss spotting pill of claim  
2 109 wherein said ratio is about 50:50.

1 112. (Previously presented) The high fluid loss spotting pill of claim  
2 110 wherein said ratio is about 50:50.

1 113. (Canceled).

1 114. (Previously presented) A high fluid loss spotting pill comprising:  
2 a carrier fluid;  
3 a first quantity of weighting agent adapted to produce a density  
4 substantially the same as the density of a drilling fluid used to drill  
5 a formation being treated;

6 a second quantity of suspending agent effective to suspend said weighting  
7 agent in said carrier fluid;  
8 an LCM consisting essentially of:  
9 a third quantity of acid soluble mineral fiber; and;  
10 an amount of acid soluble mineral particulate wherein said acid  
11 soluble mineral particulate is a combination of granular form and  
12 flake form;  
13 said third quantity, said amount, and said form being adapted to form a  
14 substantially impermeable, acid soluble filtercake upon injection of  
15 said composition with an effective carrier fluid into said wellbore  
16 and defluidization.

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